

**Tetra Tech, Inc.**

4213 State Street, Suite 100
Santa Barbara, CA 93110-2847
VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base IRP**Log of Well No. **33-MW-6**Location: **OU4, Site 33, approximately 95 feet southwest of southern corner of perimeter fence.**

Date Started: 10/7/96 Completed: 10/7/96

Logged By: J. Bonebrake
Harting Checked By: J. R. Steele, R.G.,
C.E.G., C.H.G.Drilled By: Brent Carpenter, S/G Testing *J.R. Steele*
R.G. #5963

Drilling Equipment: CME 75, 8-inch & 10-inch HSA

Sampling Equipment: 2-inch I.D. Split Spoon

GS Elev.: 63.38 ft above MSL TD: 29.5 ft bgs

4" PVC Blank Casing: from 0 ft bgs to 17.2 ft bgs

0.02" Screening Casing: from 17.2 ft bgs to 27.2 ft bgs

Bentonite/Cement Grout: from 1 ft bgs to 12 ft bgs

Bentonite Transitional Seal: from 12 ft bgs to 15 ft bgs

#3 Sand Filter Pack: from 15 ft bgs to 29.5 ft bgs

TOC Elev.: 66.15 ft above MSL

Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
5	sand, yellowish brown (10YR 5/4), fine grained, poorly graded, subrounded to subangular, loose, dry, some organic material (ice plant, grass, bushes), trace medium sand, trace shale gravel at surface, dune sand. medium dense, slightly moist.		SP			4 5 6	20	0/0	Start drilling 0950.
10	light yellowish brown (10YR 6/4), moist.					8 9 12	40	0/0	
15	very moist.					11 12 14	90	0/0	
20									

26.6 ft bgs ▼ Groundwater depth during drilling

25.71 ft bgs ▼ Groundwater depth after well development on: 11/14/96

TC Number: A208-09

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Page 1 of 2

R:\Boring Logs\MWells\33-MW-6.ai p 2 of 2 8/28/98 ead

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Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Snp	REMARKS
	little medium sand.					7 11 14	100	0/0	
25	wet, trace fines.					5 7 8	100	0/0	
	<u>silty sand</u> , dark grayish brown (10YR 4/2), fine grained, poorly graded, medium dense, wet, trace medium sand, little fines.		SM			50/ 2.5	100	0/0	
	shale, brownish yellow and extremely weathered with grayish brown from 28.0 ft to 28.5 ft, becoming moderately weathered, light olive brown (2.5Y 5/4) at 29.0 ft, Monterey Formation.		Shale						
30									End drilling 1105. TD 8-inch hole at 27.7 ft. Ream with 10-inch auger to 29.5 ft.
35									
40									
45									